

Title (en)  
REAGENTS FOR THE DETECTION OF PROTEIN PHOSPHORYLATION IN LEUKEMIA SIGNALING PATHWAYS

Title (de)  
REAGENTIEN ZUM NACHWEIS DER PROTEINPHOSPHORYLIERUNG IN LEUKÄMIE-SIGNALWEGEN

Title (fr)  
REACTIFS PERMETTANT DE DETECTER UNE PHOSPHORYLATION DE PROTEINES DANS DES VOIES DE SIGNALISATION DE LEUCEMIE

Publication  
**EP 2126580 A4 20101110 (EN)**

Application  
**EP 06718094 A 20060112**

Priority  

- US 2006000979 W 20060112
- US 65158305 P 20050210

Abstract (en)  
[origin: WO2006086111A2] The invention discloses 424 novel phosphorylation sites identified in signal transduction proteins and pathways underlying human Leukemia, and provides phosphorylation-site specific antibodies and heavy-isotope labeled peptides (AQUA peptides) for the selective detection and quantification of these phosphorylated sites/proteins, as well as methods of using the reagents for such purpose. Among the phosphorylation sites identified are sites occurring in the following protein types: Adaptor/Scaffold proteins, Cytoskeletal proteins, Cellular Metabolism enzymes, G Protein/GTPase Activating/Guanine Nucleotide Exchange Factor proteins, Immunoglobulin Superfamily proteins, Inhibitor proteins, Lipid Kinases, Nuclear DNA Repair/RNA Binding/Transcription proteins, Serine/Threonine Protein Kinases, Tyrosine Kinases, Protein Phosphatases, and Translation/Transporter proteins.

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Citation (search report)  

- [A] WO 03070899 A2 20030828 - CELL SIGNALING TECHNOLOGY INC [US], et al
- See references of WO 2006086111A2

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